



Under Ride Lifting Robot WS500

Lidar SLAM Navigation + load capacity 500Kg

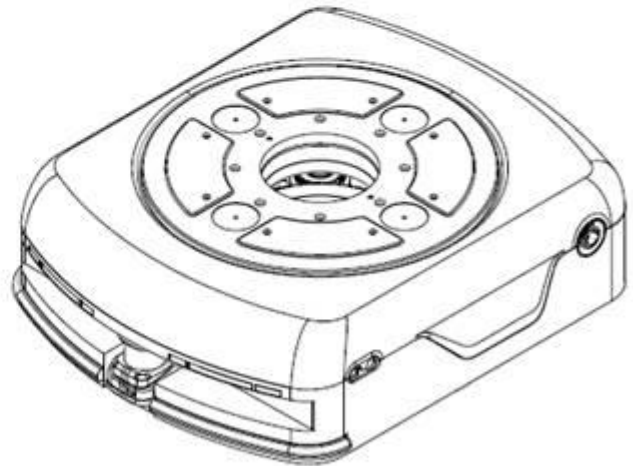
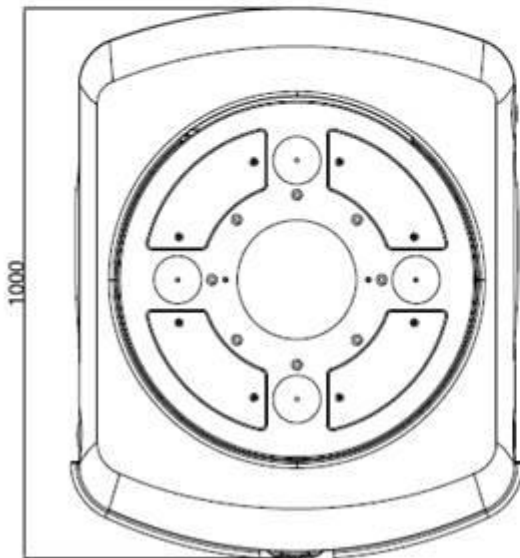
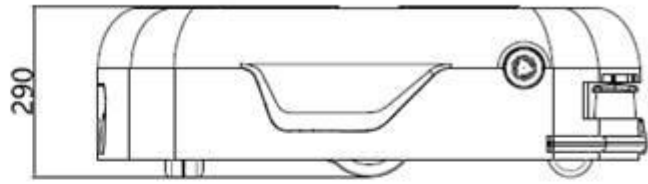
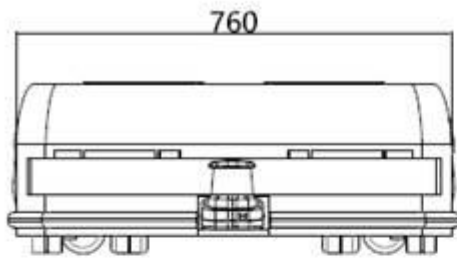
Product feature

1. The Lidar SLAM autonomous navigation mode is adopted for rapid deployment. The equipment only needs to scan the environment to build a map and achieve accurate positioning of ± 10 mm.
2. The load weight can be up to 500Kg, and most of the goods can be transported by jacking, rotating.
3. The equipment adopts the modular design of the whole machine, which makes the assembly and maintenance more convenient.



4. The battery can last for more than 8 hours with full load, and the robot can automatically charge with low power (set the low power value according to the customer's requirements).
5. Cluster scheduling, in the robot control system, you can view the working status, electricity, location and other information of all robots at the same time, and schedule all devices through the system.
6. Equipped with lidar safety barrier avoidance, front contact anti-collision bar, left and right emergency stop buttons, multiple safety protection to protect equipment and cargo safety.
7. Automatic path planning, realize unmanned operation, staff only need to give instructions through the control terminal.

Dimension



Specification

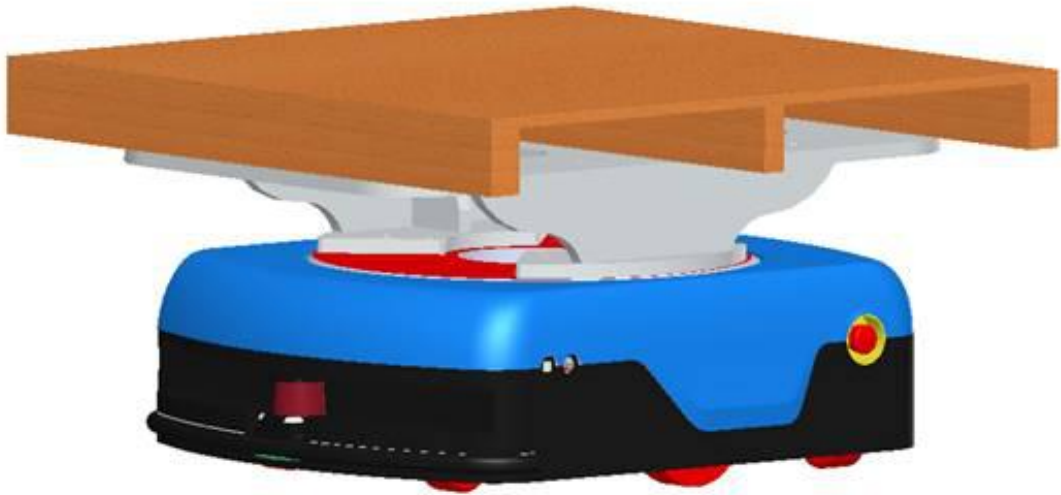
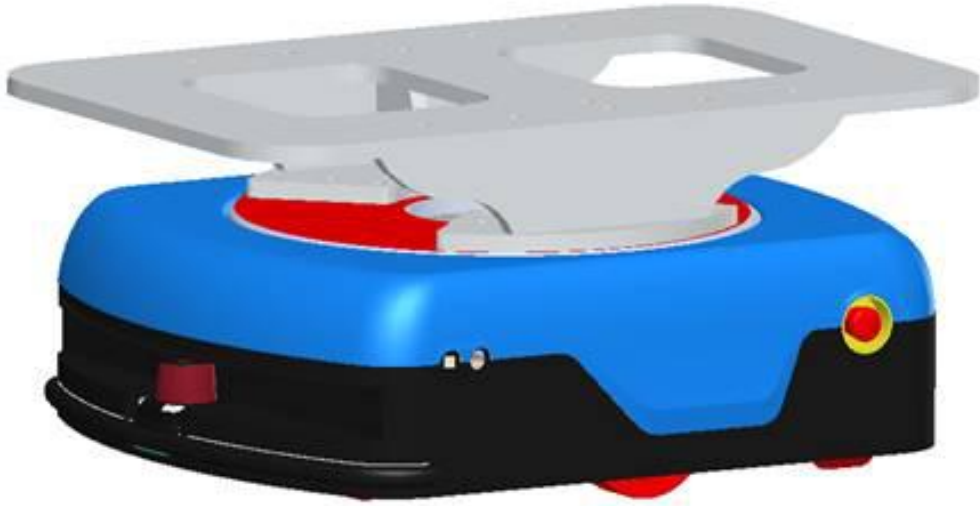
Basic specification	Model	WS500
	Name	Latent lifting robot
	Dead weight	200KG (±5KG)
	Load weight	500KG
	length, width and height	1000× 760 × 290 mm
	Jacking height	60mm
	Navigation mode	Lidar SLAM navigation
performance	Driving mode	Servo motor, two wheel differential drive
	positioning accuracy	+ 10mm



	Maximum running speed (no load)	1.7m/s
	Operating speed (full load)	0.8m/s
	Charging mode	Automatic charging / offline charging optional
	Endurance time	≥ 8H
Battery	Battery type	Lithium battery 48V
	Battery capacity	40AH
	Charging time	1.5~2H
	Battery life	1500 cycles, capacity ≥ 80%
security	Obstacle avoidance	Lidar obstacle avoidance, contact anti-collision strip
	Audible and visual alarm	Support
	Emergency stop switch	Support, one on each side
	Communication mode	WiFi
	Debug interface	Interface is open

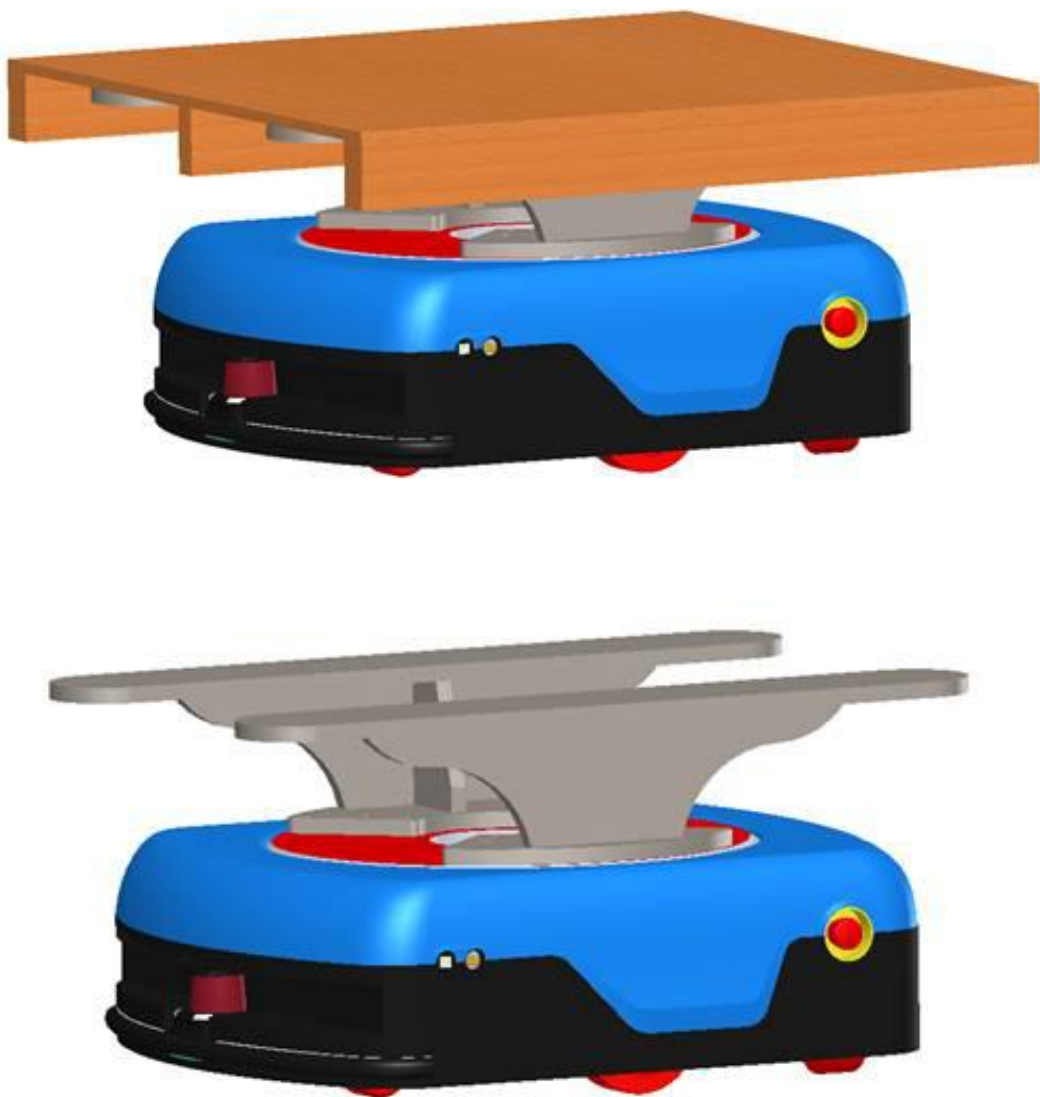
Extended application

Form 1:





Form 2:





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